

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F3833S6--24-36DC(22-OD-24WN-AA.L1000.C.CT)

报告编号:

电压(V): 36.0000

测试编号: 20210405008

电流(A): 0.6510

光源规格型号: OD

功率(W): 23.4000

每个光源光通量(lm)

功率因数: 1.0360

光源数量: 24

镇流器型号:

发光面长度(mm): 995

发光面宽度(mm): 20

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 2044.10

灯具效能(lm/w): 87.35

中心光强(cd): 7287.002

最大光强(cd): 7573.234

最大光强角度: $C=240.0 \gamma=2.0$

半峰边角(50%Imax): [C0/180]Total=20.8

[C90/270]Total=21.4

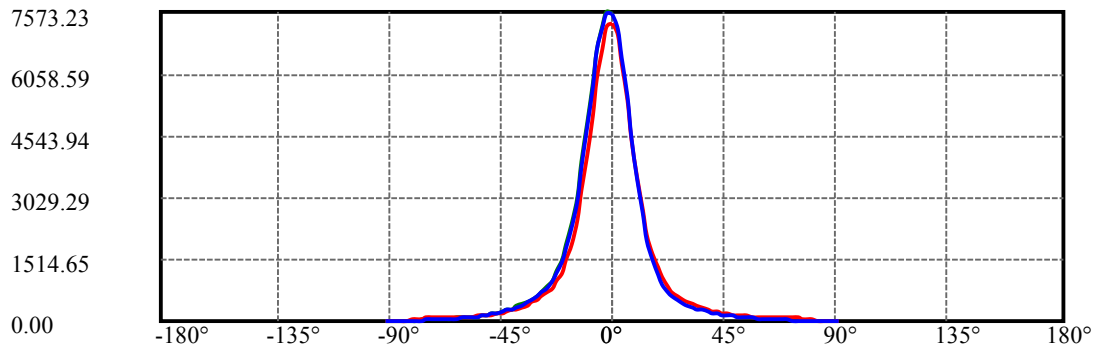
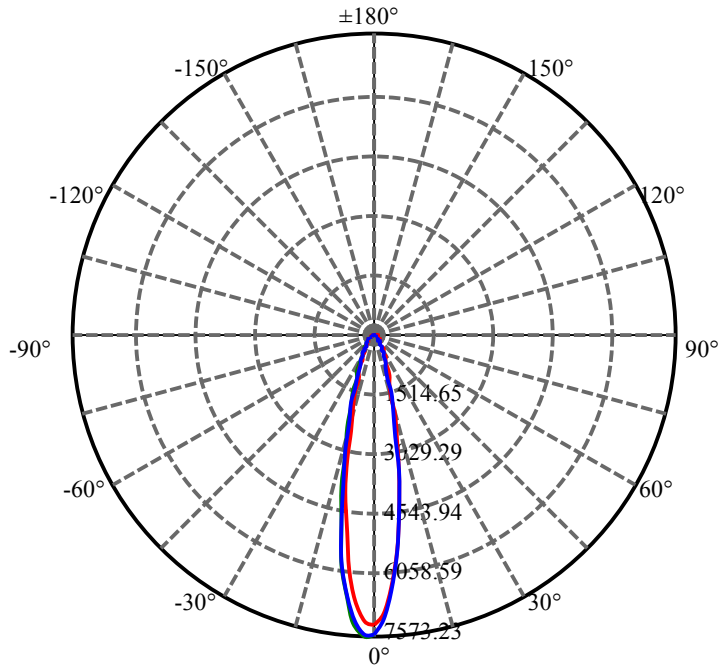
光束扩散角(10%Imax): [C0/180]Total=49.3

[C90/270]Total=48.8

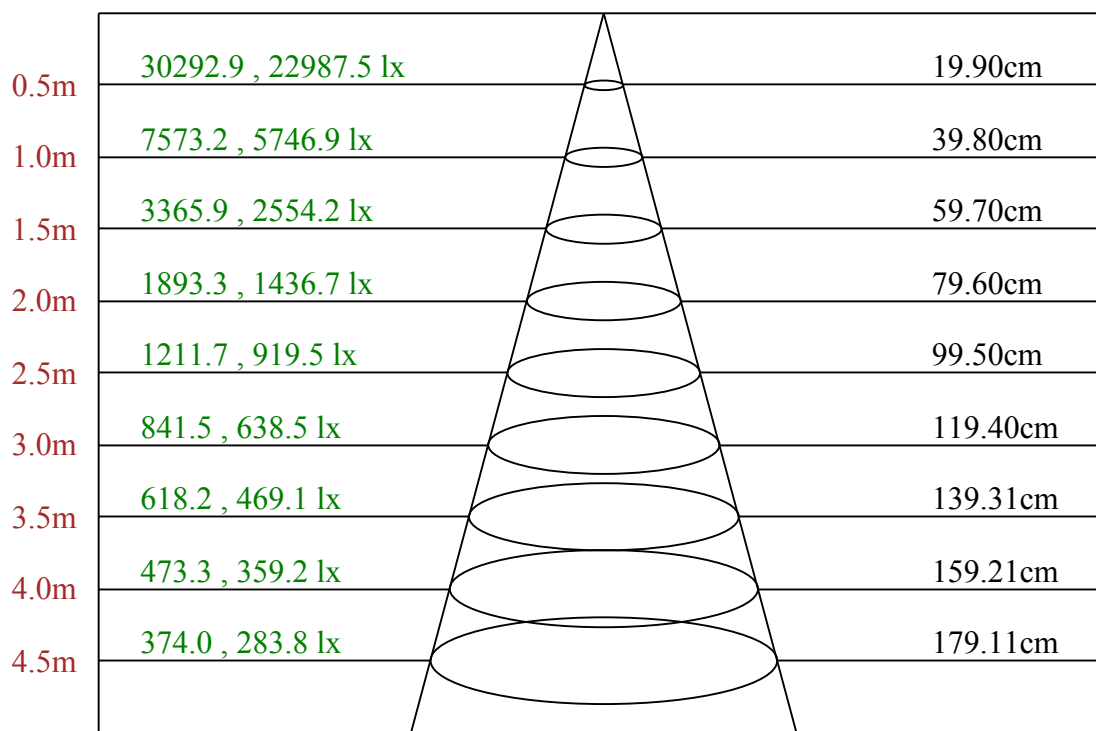
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/4/5
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

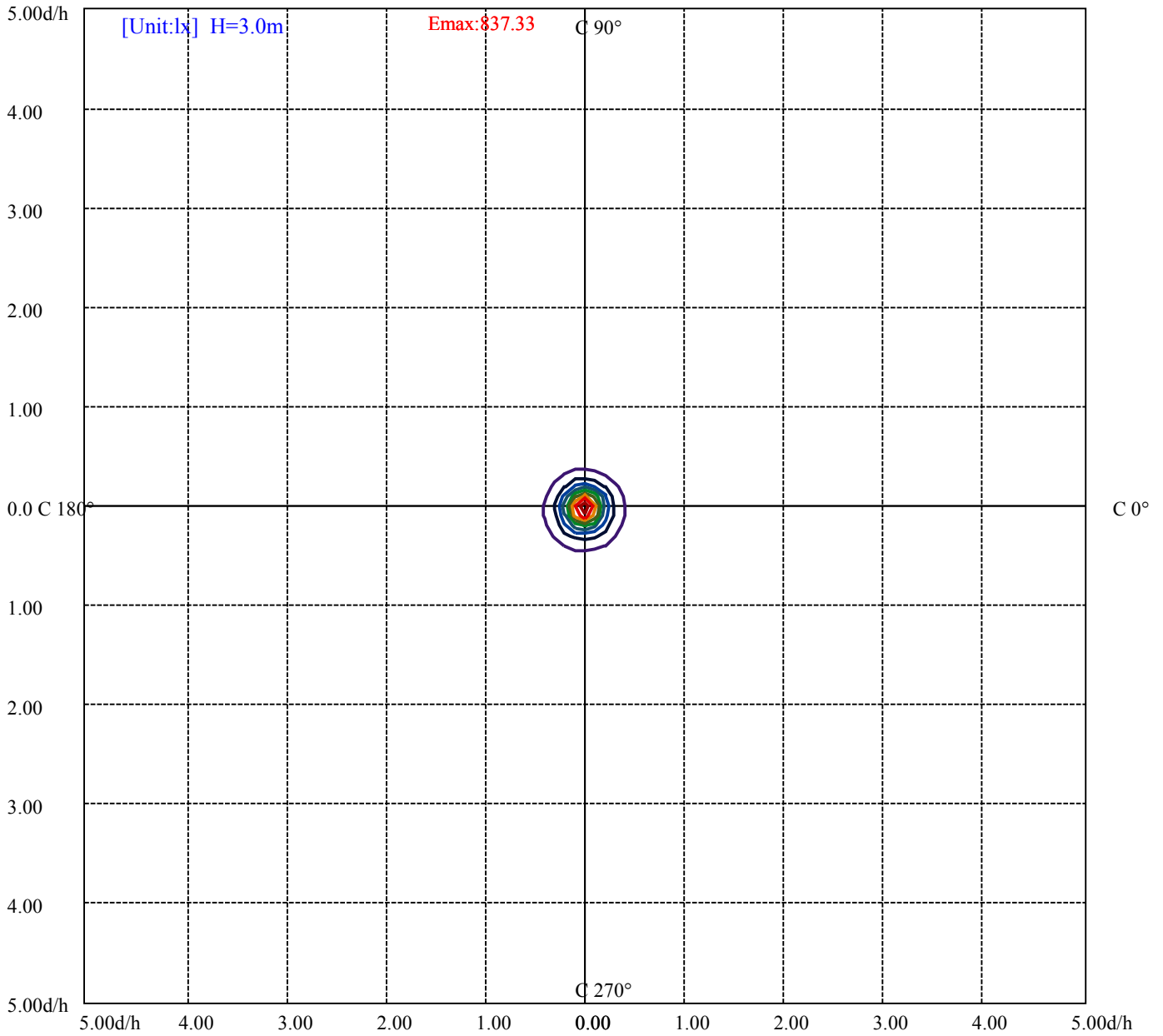


C240(Max): —
C0/C180: —
C90/C270: —



Max , Ave C240面光束角22.49

ROLED 投光灯
平面等照度曲线



(10%Emax) 83.73312	——
(20%Emax) 167.4667	——
(30%Emax) 251.2	——
(40%Emax) 334.9322	——
(50%Emax) 418.6656	——
(60%Emax) 502.3989	——
(70%Emax) 586.1322	——
(80%Emax) 669.8655	——
(90%Emax) 753.5989	——

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ROLED 投光灯

灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

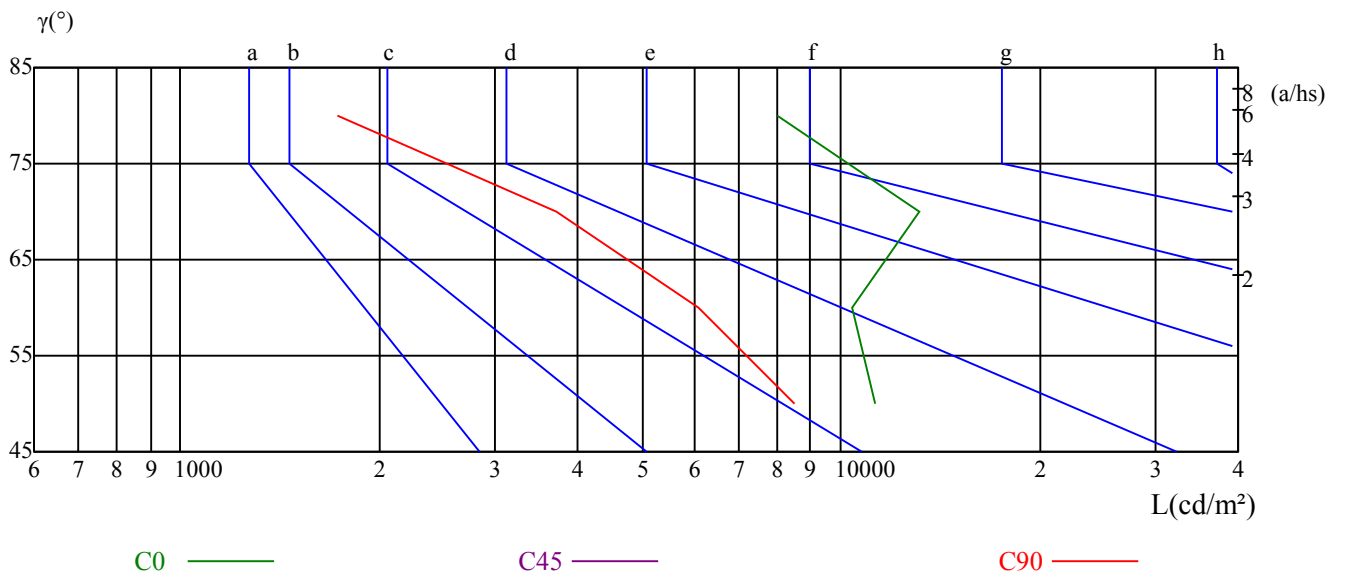
γ	45	50	55	60	65	70	75	80	85
C0	0	11260	0	10389	0	13135	0	8039	0
C45	0	0	0	0	0	0	0	0	0
C90	0	8489	0	6085	0	3721	0	1732	0

L横(65)	L纵(65)	L45(65)	L横(75)	L纵(75)	L45(75)	L横(85)	L纵(85)	L45(85)
0	0	0	0	0	0	0	0	0

眩光等级表

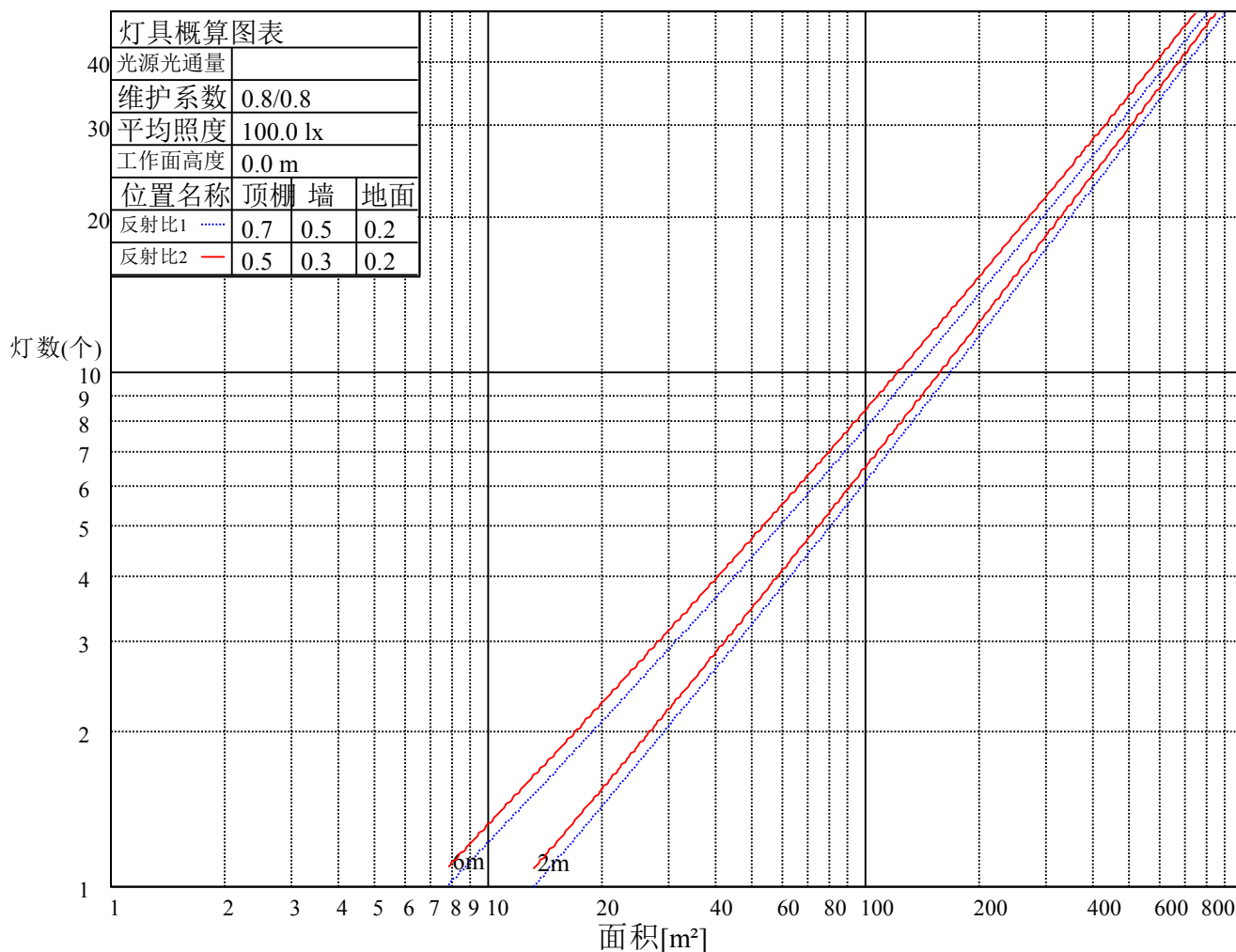
眩光等级	质量等级	使用照度(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

亮度限制曲线



参照UGR的照射评估											
天花板反射率	70	70	50	50	30	70	70	50	50	30	
墙壁反射率	50	30	50	30	30	50	30	50	30	30	
地板反射率	20	20	20	20	20	20	20	20	20	20	
空间尺寸		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	12.62	13.75	12.98	14.06	14.38	14.16	15.30	14.53	15.61	15.92
	3H	13.81	14.81	14.19	15.14	15.51	16.45	17.45	16.83	17.79	18.15
	4H	14.10	15.04	14.51	15.39	15.78	17.58	18.51	17.98	18.87	19.25
	6H	14.22	15.08	14.63	15.45	15.84	18.14	19.00	18.56	19.37	19.77
	8H	14.22	15.03	14.65	15.42	15.83	18.27	19.08	18.70	19.47	19.88
	12H	14.21	14.99	14.65	15.37	15.80	18.45	19.22	18.88	19.61	20.04
4H	2H	13.23	14.17	13.64	14.52	14.91	14.48	15.42	14.89	15.77	16.16
	3H	14.67	15.44	15.09	15.85	16.25	16.86	17.63	17.27	18.03	18.44
	4H	15.07	15.76	15.51	16.18	16.63	18.08	18.77	18.52	19.19	19.64
	6H	15.21	15.81	15.68	16.25	16.73	18.68	19.27	19.15	19.72	20.19
	8H	15.22	15.77	15.69	16.22	16.69	18.85	19.40	19.32	19.85	20.32
	12H	15.22	15.70	15.71	16.18	16.66	19.06	19.54	19.54	20.02	20.50
8H	4H	15.40	15.95	15.88	16.40	16.88	18.13	18.68	18.60	19.13	19.60
	6H	15.62	16.06	16.13	16.56	17.05	18.81	19.25	19.32	19.75	20.24
	8H	15.65	16.05	16.18	16.57	17.06	19.04	19.43	19.57	19.95	20.45
	12H	16.26	16.60	16.78	17.10	17.67	19.69	20.03	20.20	20.52	21.10
12H	4H	15.43	15.92	15.92	16.40	16.88	18.09	18.57	18.57	19.05	19.53
	6H	16.10	16.08	16.21	16.55	17.09	19.20	19.18	19.31	19.65	20.19
	8H	15.75	16.09	16.27	16.59	17.16	19.04	19.38	19.56	19.88	20.45
对应照射距离，改变观察者位置S											
S = 1.0H	0.6/-0.9					0.3/-0.8					
S = 1.5H	1.3/-1.5					0.9/-0.5					
S = 2.0H	3.0/-2.1					1.8/-1.2					
标准表格	BK3					BK2					
更正系数	-0.4					2.0					

ROLED 投光灯 灯具的概算曲线



ROLED 投光灯

灯具的利用系数表

RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFICIENTS OF UTILIZATION RHOFC=20 CU															
0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.10	1.08	1.05	1.08	1.06	1.04	1.04	1.02	1.01	1.00	0.99	0.98	0.97	0.96	0.95	0.93
2	1.03	0.98	0.95	1.01	0.97	0.94	0.98	0.94	0.92	0.95	0.92	0.90	0.92	0.90	0.88	0.86
3	0.96	0.91	0.87	0.94	0.90	0.86	0.92	0.88	0.85	0.89	0.86	0.83	0.87	0.84	0.82	0.81
4	0.90	0.85	0.81	0.89	0.84	0.80	0.87	0.83	0.79	0.85	0.81	0.78	0.83	0.80	0.77	0.76
5	0.85	0.80	0.75	0.84	0.79	0.75	0.82	0.78	0.74	0.81	0.77	0.74	0.79	0.76	0.73	0.72
6	0.81	0.75	0.71	0.80	0.75	0.71	0.79	0.74	0.70	0.77	0.73	0.70	0.76	0.72	0.69	0.68
7	0.77	0.71	0.67	0.76	0.71	0.67	0.75	0.70	0.67	0.74	0.70	0.67	0.73	0.69	0.66	0.65
8	0.74	0.68	0.64	0.73	0.68	0.64	0.72	0.67	0.64	0.71	0.67	0.64	0.70	0.66	0.63	0.62
9	0.71	0.65	0.61	0.70	0.65	0.61	0.69	0.64	0.61	0.68	0.64	0.61	0.68	0.64	0.61	0.60
10	0.68	0.63	0.59	0.67	0.62	0.59	0.67	0.62	0.59	0.66	0.62	0.59	0.65	0.61	0.58	0.57

ROLED 投光灯

光强数据表(cd)

C/γ(°)	0.0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0
0.0	7287.00	6995.40	6321.64	5415.37	4486.08	3536.07	2738.00	2110.28	1648.32
30.0	7556.35	7251.70	6571.04	5647.89	4638.02	3696.45	2834.69	2180.12	1649.86
60.0	7515.68	7088.25	6319.34	5360.89	4365.60	3375.69	2560.73	1938.39	1466.69
90.0	7525.66	7163.45	6453.63	5494.41	4497.59	3476.21	2614.45	1983.67	1488.71
120.0	7469.64	7112.04	6408.36	5488.27	4507.57	3514.58	2717.28	2041.99	1527.46
150.0	6937.08	6751.37	6229.56	5412.30	4562.05	3618.18	2787.88	2147.12	1646.02
180.0	7287.00	7190.31	6695.36	5919.54	5014.80	4037.93	3209.17	2471.72	1900.79
210.0	7556.35	7457.36	6968.54	6240.30	5292.59	4295.00	3402.55	2679.68	2084.96
240.0	7515.68	7573.23	7263.98	6633.97	5827.45	4842.91	3891.36	3057.99	2398.82
270.0	7525.66	7541.77	7213.33	6615.55	5747.65	4744.69	3782.40	2969.75	2289.08
300.0	7469.64	7465.80	7107.44	6453.63	5644.82	4679.46	3747.86	2935.98	2295.22
330.0	6937.08	6756.75	6263.32	5588.80	4724.73	3809.25	2992.00	2350.47	1840.94
360.0	7287.00	6995.40	6321.64	5415.37	4486.08	3536.07	2738.00	2110.28	1648.32
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	1301.47	1060.51	864.83	722.87	614.67	531.79	465.03	409.78	362.51
30.0	1270.01	1013.70	817.26	676.06	571.70	494.96	430.50	389.83	336.95
60.0	1132.65	903.28	728.16	603.92	515.60	444.31	388.83	341.79	302.58
90.0	1150.30	895.53	713.66	588.58	498.79	433.57	387.52	337.49	296.21
120.0	1194.88	949.55	762.31	630.02	536.01	460.12	403.64	351.53	310.71
150.0	1286.12	1032.89	822.63	670.69	557.88	484.98	428.20	389.83	335.11
180.0	1497.61	1189.43	975.03	811.12	690.87	591.49	513.83	447.99	393.28
210.0	1525.08	1342.14	1092.51	917.55	772.82	657.41	566.32	492.12	427.51
240.0	1878.54	1514.03	1221.66	1009.10	847.18	722.10	619.27	534.86	465.03
270.0	1797.96	1454.48	1177.46	978.40	822.63	707.14	610.14	530.10	457.74
300.0	1793.36	1444.20	1164.88	963.06	818.02	693.71	596.25	517.21	450.45
330.0	1477.89	1203.86	990.07	840.05	711.20	606.46	524.12	457.43	398.88
360.0	1301.47	1060.51	864.83	722.87	614.67	531.79	465.03	409.78	362.51
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	318.54	281.55	244.56	217.09	192.61	172.81	156.70	144.04	134.06
30.0	297.90	264.90	232.98	207.96	184.63	165.52	148.72	135.37	123.24
60.0	265.59	232.21	204.43	179.11	157.47	136.98	121.02	106.74	95.46
90.0	259.99	228.45	201.90	176.88	154.86	137.05	121.48	108.58	95.77
120.0	270.65	235.97	204.97	179.34	157.93	137.97	121.32	105.67	94.46
150.0	291.30	253.85	227.60	205.66	184.17	164.37	144.50	128.31	115.57
180.0	341.71	299.05	260.60	229.98	204.35	182.71	164.60	148.18	134.75
210.0	373.87	328.21	286.85	251.70	220.62	195.91	174.27	156.01	139.82
240.0	403.64	354.68	304.19	266.28	231.67	201.82	175.42	152.71	133.75
270.0	397.04	345.63	299.20	259.91	224.30	195.76	170.59	149.33	130.07
300.0	392.13	342.86	299.20	260.60	226.99	196.99	173.66	152.09	134.21
330.0	350.38	308.49	269.89	237.58	209.03	186.70	167.21	149.95	136.29
360.0	318.54	281.55	244.56	217.09	192.61	172.81	156.70	144.04	134.06
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	124.70	115.95	108.58	103.37	100.14	97.69	94.77	91.55	89.40
30.0	112.80	103.21	93.85	84.72	75.28	66.76	59.09	52.95	47.65
60.0	85.56	77.58	70.98	65.07	60.09	55.10	49.50	43.20	36.68
90.0	85.18	75.36	67.61	60.55	52.41	44.97	38.14	31.62	25.32
120.0	85.18	77.20	70.68	64.77	59.55	54.64	49.11	42.82	36.68
150.0	106.67	96.00	87.71	78.20	70.37	63.69	56.94	50.80	46.20
180.0	122.78	112.11	103.67	97.38	92.93	90.17	87.79	84.41	81.65
210.0	126.46	115.49	105.51	97.46	89.25	81.50	73.21	64.61	57.32
240.0	117.02	104.36	92.93	84.41	76.51	69.45	63.62	57.32	51.64
270.0	113.73	99.14	87.33	77.04	69.22	61.93	54.02	46.58	39.75
300.0	118.71	105.59	94.31	84.87	77.04	70.21	64.61	58.70	52.72
330.0	124.55	115.03	106.51	99.53	91.78	83.80	74.59	64.92	57.55
360.0	124.70	115.95	108.58	103.37	100.14	97.69	94.77	91.55	89.40

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光强数据表(cd)

附页 第 10页 共10页

C/γ(°)	72.0	74.0	76.0	78.0	80.0	82.0	84.0	86.0	88.0
0.0	84.41	80.27	61.93	36.68	27.78	22.56	17.80	11.82	3.45
30.0	42.28	37.83	32.08	26.40	19.03	11.97	5.45	1.53	0.84
60.0	29.85	22.71	18.57	13.28	7.98	3.76	1.84	1.61	0.23
90.0	20.49	16.88	13.20	9.59	5.99	2.99	2.07	1.61	0.15
120.0	29.70	22.41	17.88	11.36	7.67	3.76	1.69	1.46	0.38
150.0	42.13	36.76	31.85	26.40	19.34	12.20	6.06	1.92	0.92
180.0	78.81	74.05	65.99	42.28	28.24	22.02	16.58	11.43	5.68
210.0	50.26	43.89	38.29	31.92	25.02	18.11	10.13	3.99	1.00
240.0	46.27	39.67	30.08	22.33	16.35	10.59	5.76	2.46	1.84
270.0	32.61	24.56	18.88	14.96	11.13	7.67	4.53	2.30	2.00
300.0	47.19	40.44	30.16	22.79	16.35	10.13	5.53	2.30	1.76
330.0	50.65	44.12	38.45	32.00	24.94	17.57	9.29	3.76	1.38
360.0	84.41	80.27	61.93	36.68	27.78	22.56	17.80	11.82	3.45

C/γ(°)	90.0
0.0	0.54
30.0	0.31
60.0	0.15
90.0	0.08
120.0	0.15
150.0	0.38
180.0	0.46
210.0	0.46
240.0	0.92
270.0	0.92
300.0	0.77
330.0	0.77
360.0	0.54